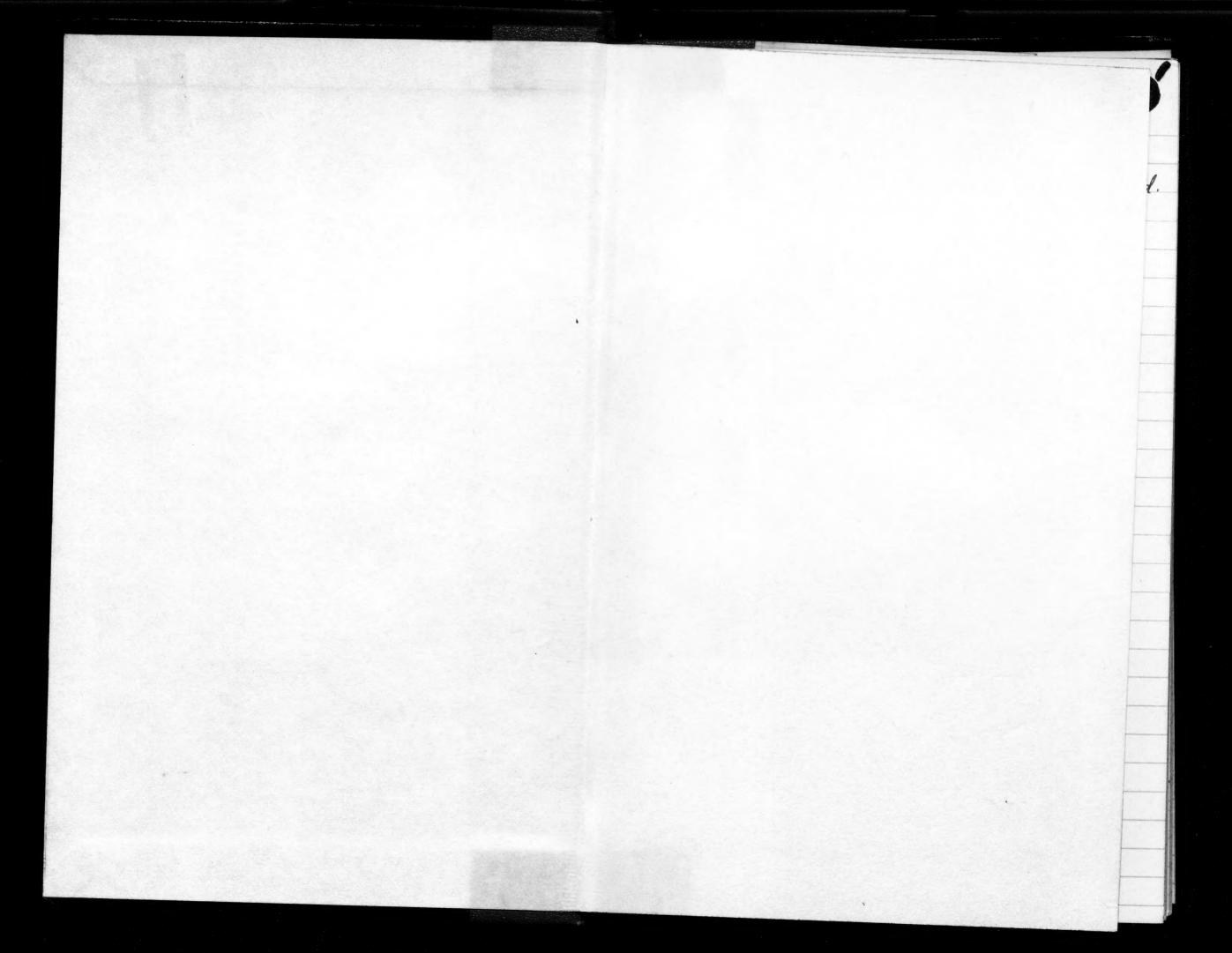
RECORD

3.00



18 Sept. 1967 Material in KOH: No mark = Portal-Rodeo Rd. Right Elytaa clipped = 47971

Parasite of trush-carrying lep. larva. 19 Sept 1967 N 11:15 AM. & paraste emerged from lawal lep. and commenced

Spinning ~ 1/2 hour afterwards.

"May have come out due to distriburce. of larva. 1 PM - Still spinning papal case.

Case almost opaque but a larva

can be seen in silonette, spinning. (R.5) all parasitized Three more acquired. All are from Solidage henseforth to be known as Exp. No. 465-B 20 sept

318		32	GLAN	105
			8	9
		The temp. I call:		
	1	The femb. (call: ELEODES LONGICOLLIS MARGINEO THORAX + ELYTRA	+	0
		ÉLEOPES, BROWN BODIED		+
		GREY-TOPPED		*****
	*	ELEODES, ROBUST ELEODES, SHARP SPINED	+	
		FAT-REARED MIMIC	-	_
	+			
			2.3	
	1			
			.0	

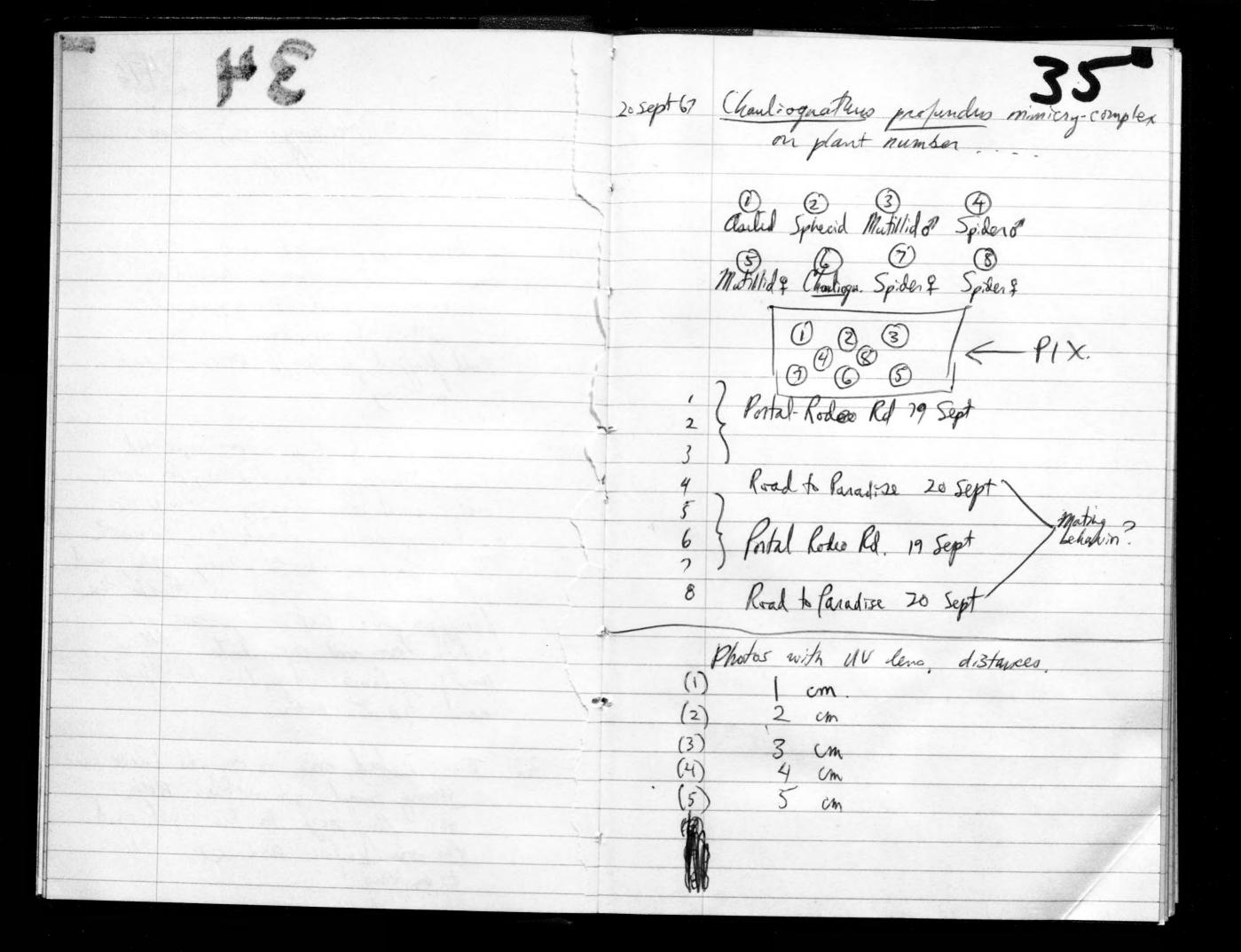
LONG, 2 ch,? n narrowed	6A +	9 P
LONG, 2 ch,? n narrowed	+	0
SHORT		+
BRASTERE SURPED	+	-
MITTEN-SHAPED	+	
	7.8	0

32

Members of the black-apssemathamat-dusk complex:

1967	Eleades longicalles
1967	E. ROBUST
1967	E. BROWN-BODIED
1967	E. SHARP-SPINED
1967	E BLUNT-SPINED
1966	Mondilema
(967	MeloID, RED + BLACK
1968	MELOID, BLACK
1967	Gonasida
1966	Megasida
1967	HEMISPHERICAL TENEB.
1966	GIANT BLACK WEEVIL
1967	COMMON NON-SPRAYER
1967	Pds. machus
1967	Caloroma
1967	Black locust w/ wed wings
1967	Brack locust w/ wed wings Nymphal + adult Taeniopoda
1967	Rugose-ely tra, many, ned tench
1967	Zaphenus
1967	Cay-topped teneb, RUNNER
1966	Grey-topped teneb, FREEZER
	0 11

21 Sept 60 army ants (Newamysmex) versus
Fluffpuffs 2 Shoff puffs, naked and with fluff, 18:50 enter placed in nest. Naked one overrun and strong; innobile within 5 minutes. Full fluffed fluffpuff still alive and 20:00 20:05 Jame experiment is above repeated. The ants are now looking for ways out, and one trying to climb the container walls which they cannot They also climb anything high and 59 climb rather than attack the fluffpuffs. But every once in a a while four ant does bite. More ants climb atop the fliffpiff, and tip it over The naked one 3 m to back string and immobile. Both the fluf puff in this exist and the one before are still alive. I groving.



Exp.#465 Plante with trash carrying (ie, petal bearing) lep larvae Portal-Rodeo Rd # 465-A # 465-B Solidage sp Portal-Rober Rd #465-C Portal-Redes

3 PLA	NT IDENTIFICATION				t contid	37
	PART TO SERVE B	!				20
	The solution of the picture of the solution of the picture of the					31
MG.THO.	del la er nobresan e de cap.				00 - 10/1	0 1
9%	With a state of the second second		91			- 1
CLF AL	Print Handler		0.4			
CTC. W		4	1 0 0 0 0	THE RELEGIA	inclus sees	

PLANTS IDENTIFIED FOR T. EISNER BY WM. J. DRESS, P. A. HYYPIO, AND D. M. BATES. JANUARY, 1963

Plants are listed by experiment number. Where several numbers refer to the same specimen or species, the plant is identified under the first experiment number that refers to it. When the species appears later, the experiment number under which the name can be found is underlined, and is followed by all other experiment numbers that refer to the same plant.

Unless otherwise stated, all species are members of the family Compositae.

EXP	ERIMENT NUMBER(S)	NAME	DET.B7
× 62		Gutierrezia Sarothrae (Pursh) Britt & Rusby	WJD
463	=464, 465B, 493R2	Hymenothrix Wislizenii Gray	W JD
464	This experiment number re	efers to two separate plants:	
(1)	A P ma seems A seem on	Gutierrezia Sarothrae (Pussh) Britt & Rusby	WJD
(2)	=463,465B,493R2		
465	This is the series of deser	t composites: (V is not a composite)	
A		Baileya pleniradiata Harr. & Gray	W JD
B	=463, 464, 493R2	Transferred design made from the second seco	
C	=467B	Verbesina encelioides (Cav.) Benth. & Hook.	WJD
D	=466, 467A, 477	Viguiera dentata (Cav.) Speeng.	WJD
E		Heterotheca subaxillaris (Lann.) Britt & Rusby	WJD
F	=473	Helianthus petiolaris Nutt.	WJD
G	=464(1)	The state of the s	
H		Haplopappus gracilis (Nutt.) Gray	TJD
I		Parthenium incanum HBK	WJD
J		Bahia absinthifolia Benth.	WJD
K L		Zinnia grandiflora Nutt.	WJD
COLUMN TO SERVICE AND ADDRESS OF THE PARTY O		Psilostrophe sparsiflora (Gray) A. Nels.	WJD
M		Zinnia acerosa (DC.) A. Gray (Z. pumila Gray)	
ALCOHOL: NO	This was been not see 4)	Sanvitalia Abertii Gray	WJD
(O P	This number not used)	Dyssodia pentachaeta (DC.) Robins.	
Ω	=475F	Senecio longilobus Benth.	WJD
R		Gaillardia pinnatifida Torr.	WJD
S	A STATE OF THE STA	Thelesperma longipes Gray	WJD
T		Dyssodia acerosa DC.	WJD
U		Dyssodia Hartivegii (Gray) Robinson	WJD
v		Erysimum capitatum (Dougl.) Greene (CRUCIFE)	WJD
W		Haplopappus laricifolius Gray	CAL) PAI
x		Berlandiara lyrata Benth. var - lyzata	WJD
X	SPECIMEN HAS NOT BEEN	LOCATED	WJD
Z.		Pectis filipes Harr. & Gray	
	CONTRACTOR OF THE PARTY OF THE		WJD

37

},



PLANTS IDENTIFIED BY WM. J. DRESS, P.A. HYYPIO, & D. E.J. BATES CONTINUEL

EXE	PERIMENT NUMBER (S)	NAME	
		s and is made determinated to state of all the model would be supplemented and the supplemental to the supplemental and the supplementa	DE:
"Ci	tronella weed" (No expt. no.)	Pectis angustifolia Torr. (This plant was from New Mexico. Note that plant \$ no. 465Z, which also 'smelt like citronella' is another species of the same genus, P. filipes Harr. & Gray)	WJI
466	=465D, 467A, 477		
467	This is the series from (
Α	=465D, 466, 477	Dave Creek Ranch:	
В	=4650		
C	=475G		
D	1130	Heliopsis parviflora Gray	TW. TT
E		Viguiera multiflora (Nutt.) Blake	WJD
edian.e		Viguiera multiflora (Nutt.) Blake, variant	WJD
F.	A F2 F D	with laciniate rays.	***
G	=475.A	A ster tephrodes (Gray) Blake	WJD
		Bahia dissecta (Gray) Britton	WJD
H		Deterotheca subaxillaris (Lam.) Britt & Rusby	WJD
J		Erigeron neomexicanus Gray	WJD
473	=465F		
475	This is the series of Parad		
A	=467F	lise 'composites' (not all composites):	
В	(MALVACEAE)	Sphagnalan	
C	INTERNATIONAL COMPANIES	Sphaeralsea laxa Worton & Standl.	DMB
B C D E	(GERANIA CEAE)	Verbena bipinnatifida Nutt.	PAH
		Geranium eremophilum Woot & Standl. Psilostrophe sparsiflora (Gray) A. Nels.	PAH
F	=465Q	The spareliora (Gray) A. Nels.	WJD
G	=467C		350
47.7	= <u>465D</u> , 466, 467A		71.7
478	=464(1), 465G		
493R2	The state of the s		
493R		Baccharis glutinosa Pers. (Male)	. ,44
1000		Pers. (Male)	WJD

LABELS - ARIZ. 1967

	7111
067	
0775	MIST DE COLUMN D
1821	Security 5
1000	Canada all Innefrecial

Investo it.

LABELS FOR ARIZONA FIELD TRIP, 1967 (R. SILBERGLIED) (FOR T. EISNER)

at U.V. blacklite R. E. Silberglied	500			
R. Silberglied	100	J. Carrel collector	400	
ARIZ: Cochise Co.,	0.2	J. Carrel Experiment No.	400	
ARIZ: Cochise Co., road betw. Portal and San Simon September 1967	100	T. Eisner Experiment No.	200	
ARIZ: Cochise Co., road betw. Portal and Paradise September 1967	200	N. MEX.: Dona Ana Co., top of San Agustin Pass, el. 5654 . 3 Oct. 1967	200	
ARIZ: Cochise Co., road betw. Portal and Rodeo, N. Mex. September 1967	400	N. MEX.: Dona Ana Co., eastern slops of SanAgustin Pass 16 September 1967	100	
ARIZ: Cochise Co., Cave Creek Canyon (Cave Creek Ranch) October 1967	100			
ARIZ: Cochise Co., Cave Creek Canyon (Cave Creek Ranch) September 1967	500	TEXAS: Wheeler Co. Shamrock (at light) 14 Sep.1967 T. Eisner, et al.	200	

TEXAS: Deaf Smith Co., near Glenrio 15 September 1967 T. Eisner, et al.

T. Eisner, J. Carrel

and R. Silberglied

collectors

100 = 5 am Jon =47853

400

N. MEX .: Hidalgo Co., 2 mi. S. of Road Forks. 16 Sept. 1967

100

色	Sycamore	468 B
	Chrysopid	468
-	Reduvid spors	468 A
	Tingido	468 C
	Hantid Mantid	468 D
	Blue Reduvid	468 E
	Logonomynmex	468 F
	Spider (knaphenid)	468 G

468 G. Spiders (anaphenids?) versus
Phlaphphpuphphs (Chysopid larvae

13:40 (1) Spide versus full fluff. 3 the fluffproffs placed in low casette with anaphenid on cut sycamore axil.

(2) Spider versus defluffed. 3 defluffed fluffpuffs placed in jan with anaphanid (?) on but sycamore axil.

(3) Same as # 2, without leaf,

CHAULIOGNA THUS COMPLEX

PREY:		Charlio grathm	drams-		
PREPATOR	e:			***************************************	1
Large Red	"Sticky Keduvi	d 20 kpt 3.45	21 Sept 11:00		

464. Ch. association of Portal

21 Sept 1967 amaphenid spiders versus Phluffpuffs 21:10 (1) Spides with leaf nest, cut to fit, put in casette. 2 fluffpuffs with Huff placed in web. Spider came out when me of them moved; inspected fluff with palpi, movement with his legs. Then he returned to 43 tunnel nest in the palmate leaf 21:15 base. Rejeated a second time-21:16 Repeated a third. Now The second flyfpaff has crawled under the main sheet of the web. The spider is cutting a hole in the sheet surface. It puts its legs them the hole to inspect the fluffpuff. Returns to upper Sheet of weby inspects the lawa to caught there and then returns to its refreat (tunnel) upper larva 21:24 Returned to inspect, left in </min. 21:29 Keturns to puff and (upper) and remains there with legs stop the puff but not doing any thing. Bites puff and gets a chelicera full of Shiff. Ketimos to retreat. Spider returned to fluff as before, wanting

21 Sept (3) Same as #1, spider + 2 fluffpuff with fluff. This time puffs fait placed on leaf surface instead of in web. Vial used instead of casette. Nothing; spider still it retreat 22:35

468 F 21 Sept 22:35 Nothing; spide still in retrient

39

468 F

23:30:00 S Naked larva dropped into web of
Anaphenid (?) in vial, without lead.

Java moved web strands

23:30:05 Spider approached larva and
touched with legs

23:30:00 Spider touched larva a palps

23:31:00 Spider touched larva a palps

23:34:35 Still folding in same position.

2:15:15 larva just a skin, spider eturned

1:17:00 added a fluffpuff with furff

2:18:00 spider and larva caught on silk by

case

2:20:00 levent off silk, wanders about

23:36:35 Fluffy fluffpuff placed in vial it large and the id (?) spider.
23:50:50 Nothing. Spider has answed about a few times but not attacked fluffpuff 2: 50:00 Nothing. fluffpuff is moving about rapidly, spider just 5.75 there.

12:45 Placed 2 spilers on cut leaves, with webs in casette, with three fluffpuffs, with fluff on the leaves, at a the webs + see if They get caught in webs by themselves.

21 Sept Whips corpion (Small, ~17 mm, net incl. whip)
was placed in small round petri dish it
naked chay signed larva

22 Sept Naked dand on plactic bottom of petri dish,
paramed later because of crampled
condition of skin.

12:50 Fully fluffed fluffpuff placed in casette
with same whips corpion. Whips corpion
attacked fluffpuff 4 times, each time
quicking the moving fluff and pulling it
in towards its cheliceral. Each time

23 Sept Remains of the fluffport's fluff found 1:15t in Easette assumed fluffport was eaten.

The puff was released.

16:20

Examining leaves and all sofspiders under bise. Scape. Insects and other arthropods are found in nests of the marked spider (4) but the 2 nests of the number yellows spider that were examined are bare of all arthropods except examined are bare of all arthroliving cicadellids and inites.

Arthropods found in web nests of marked - speder:

Cecidomyiid flies
Staphylinid beetles
Mites
Cicadellid bys
Tingid bugs
Chalaidoid Hymenopis
Trichogrammatid wasp
Muscid flies
Calliphonid fly

40

26 Sept. 191.

P

on

V

40 E = Small Dandelion-like head, upright shoot F= sunflower G = Charliggnathing-flower 26 Sept. 1967 TAKEN IN FIELD: U.V. H= Ground-hugging dandelion-like. f= distance 5' 5.6 last 5 (1) 467B = 465 C 4' 5.6 Hymenoptera Jush pictures (2) 465 I 41 5.6 Jellow Desert Aster 465 J on a roll (3) 2 5.6 Purple Heart 465 K (4) 31 5.6 465 L Yellow Heart 4' 465 D = 467 A New roll 4' \$ 5.6 157 6 465D = 467 A (2) 21 p. ztme 5.6 (3) 465 M White purple heart 2' 5.6 Green 3-horned + Chaulignather bush (4) 465 N 5.6 Green 3-horned (5) 465 N Letter "O" skipped (6) 465 P Yellow Dingleberry

(6) was also shot in color, \$16@ 1.8' (knife in picture)

23 Sept SPIDERS VS: CHRYSOPID LARVAELTE 12:30 Eight casette set up, as follows 99 CHRYSOPID LARVA

> 2 WITH fluff leaf web 2 with fluff leaf web WEB-2 No Huff "SP, NNING1 3 leaf web SPIDER 2 No fluff leaf web I WITH FLUFF 5 no beaf web 6 No leaf web \ No FLuff RUNNING no led web 1 WITH FLYFF SP. DER RUNNING no leaf web 1 No Fluff SP:DER

All web

Spiders 1-4, collected at Care Cr. Runch 23 Sept 1967 about noon, on Sycamore Spiders 5-8, collected at Care Cr. Ranch 22 Sept 1967 on Sycamore

Natural prey seen in webs includes:

1 muscid fly
2 / homopt. hymph.
3 / chalcid fly
2 muscid flies
+ 2 cecide anyids

all above nests had andene of fluft.

LEAF NESTER, WITH LEAF NEST, -23 Sept US. 2 FLUFFY LARUAE 22:30 START 24: Sept Both larvae alive, with full fluff; 11:20 Spiden Still in neste One larva in web has papared. The other larva is under some strands and of the web and is apparantly trapped. The spider Shows no interest and is in its retreat. 25 Sept 16:57 Same as before; trapped larva has freed itself and left some fluff in the web. 26 Sept 13:22 Same as 25 Sept. Spader in retreat, one larva free and moving, other in web Same as last time, except sprder has left retreat. 27 Lept Same as before Spider in retreat Spider left retreat; spun on other side of leaf; lawn still alive but left more fluff 5 00:59 in fresh strands. Spilen in retreat; Loth lawne have pupated. TERMINATED 200 3.35

23 Sept LEAF NESTER, WITH LEAF NEST,
US. 2 FLUFFY LARVAE
22:30 START

24 Sept

11:21 One larva caught by Suff on underside of web in silk of web. The other has apparantly lost some fluff to silk strands on the edge of the web where it is standing and struggling against one silk strand that is loose from the web where the leaf was ent.

Spider still in retreat of web.

25 sept 17:00 Both lawae alive + moring. One has lost some theft. Spider has left retreat and hides under leaf, but not near lawa.

26 Sept

Spide has new web between casette + leaf.

One suffpress was observed to cut spider silk

thead that hat held it restrained.

217 54 The larva is on side of casette, alive & moving; other is on surface of web, alove. Spiden is on web, not in retrust

27 Sept Spider not in retreat, but on side of consette one lawa 12:38 alive a morny other deadon other ride of leaf, apparance sucked dry, Richards by 157 larva. CONTINUED, P. 33 b.

LEAF NESTER, WITH LEAF NEST, US 2 NAKED LARVAE 22:32 LARVA WANDERED INTO WEB AND SPIDER REACTED BY ATTACKING 17 WITH ITS LEGS AND PALPI WAVING FURIOUSLY, CARUA CONTINUED TO STRUGGLE IN WEB AS SPIDER PALPATED IT. SPIDER SUDDENLY RETURNED TO WEB RETREAT. 24 Sept 12:31 The larva found head on bottom of casette. / No sell on it, apparantly sucked dig a other larva half dieses I removed the fluff. 19:40 Same as before. I removed some fluff The larva had accumulated. 25 Sept. 17:82 Same as before . (removed some flog the lawa had accommodated. 26 Sept. Same as above. Dead chaysoped 3 now theosporated into fluff of live one. 13:28 21: 55 Flest and chaysoph, how removed so larva is now naked. Spide in retreat. 27 Sept 12:41 Same as before. Fluff removed Same as before. Fliff removed. Spiler out of 2 OCT 3:38 Same as before, but lawa proported.

23 Sept LEAF NESTER, WITH LEAF NEST, 45 2 NAKED LARVAE 39 START 22:30 24 Sept Both larvae selive and just by redressed. 12:33 have just removed their Suff again. Sp. der still in netwent. 19.43 Both larvae alive and but slinggish. Spider still in retreat 25 Sept The larva alive and I removed some 17:06 /liff it had accumulated. Other black, (examined by T. E.Bren) (EATEW) 13:29 Same as 25 Sept. Fluff removed. 21:59 Same as above. Fluff her world. 27 fept 12:44 Same to before, except lorva inactive and appears ready to properte. 29 Sept 1:01 Spider out of retreat, new web streams on NOT sucked dry. TERMINATED

LEAF NESTER, WITHOUT WEB, US. FLAFFY LARVA 22:30 START 124 Sept Fluffpuff caught by fluff in webbing 11:45 and is suspended in midain. 12: 38 Some of fluff has been lost to another strand of silk in web Spider Still span in against Side of Casette 19: 45 Larva is caught in web but very gluggish: appears ready to pupate. Spider uninterested and in retreat. 25 Sept 17:08 Flaf still an web. Spider Still is retreat, larva is now paked, and is caught in another part of web, alive (examined by T- Ewsner) 26 Sept 13:31 Fluff still in web, larva is now dedd, in same part of wes as before apparantly sucked out. Indie. (2), CONTINUED. SPIDER NOT IN RETREAT; NEW WEB ON SIDE 29 Sept; 00:59 OF CASETTE. LARUA ALIVE UNDER NEW STRANDS AND HAS LOST SOME FLUFF IN NEW WEB. 2 OCT. 3.36 SPIDER IN NEW WEB. LARVA M WEG PEAD, APPARANTLY INCKED DRY. TERM INATED

23 Sept LEAF NESTER, WITHOUT WEB

22:30 START

24 Sept

12:41 Larva alive and quiet on bottomoj

easette. Spider against side of

casette, not near larva.

19:46 Same as before. For Larva Seems

to have some sik attached do it.

25 Sept.

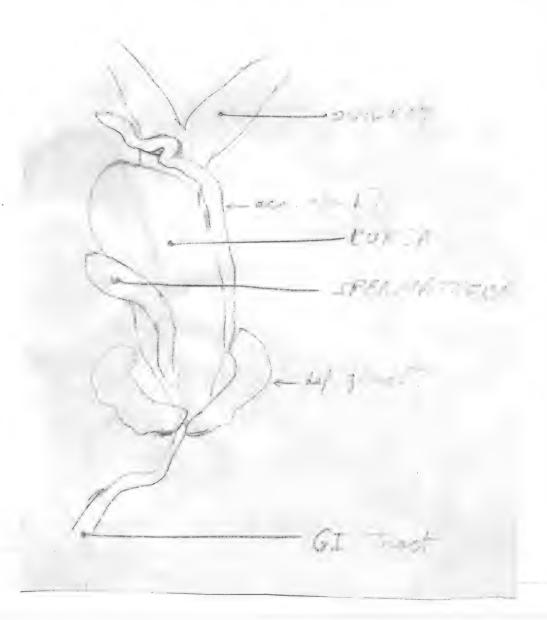
17:10 Jarva dead in wab, black and approprty

sucked dig. TERMINATED

RUNNING SPIDER US NAKED LARVA
(NO LEAF) RUNING SPIDER US FLUFFY LARUA 23 sept (NO LEAF) 2230 START START 22:30 24 Sept 24 Sept 11:45 larva in suspended in medans Larva has somehow inimaged to get 12:56 directly below where spider has itself suspended in midain by Spun its reducat. It has lost Several strand of silk of The web. much fluff in with, and even It is upside down and struggling where below itself on bottom of conette to out thread of the web with its 12:44 Larva has lost more fluff to mundibles. Spider is spun in tetrent bottom of casette. It is pulling on side of casette Maff off its back with great effort. Photos taken, web broken. Carva is 13:10 Paropping it below itself in a pile. still cangut in s.1k, but is on Pictures taken, web broken a Spider 13:05 Mulada suspended from case the top taken out. Webbing with splawa while being upside down on The bottom bung on side of casette. It how of the casette. hold on the silk. 19:49 lawastrek to sifk on bettom of casette. pider active but not interested. 13:19 Lawa has released itself. Spides 25 Lept replaced. Spiden is in network; lawor as before, appears ready to proporte (examined by 17:30 19: 47 Larva susperded in midais by theff. spiler active but not acknow the 26 Sept alive & stuggling lerva. Laura so pulling out fluff, as before. TERMINATED as before (25 Sept). 25 Sept 17:12 Larva is dead but appartly not sucked try (appears rather solid, "T. E. sne). Texp. continued on 6. 40 Still suspended by fluff in midain. (examined by T. Eisner) TERMINATED

24 Sept 1967

Charlingnathus & gental system.



26 Sept. 1967 CHAULIOGNATHUS PRONOTAL PA

(coll- vic. Portal-lander Rd 24 Sept 67 by sweeping from Can, R.S.) were placed on goldenrod under a nest bag closed w/ a String. All 3 98 had distinct pronotal patches.

CHRYSOPID LARVAR 图[4] SUMMARY OF EXPERIMENTS

Arizona, 1967

VERSUS ARMY ANTS (Neivamyrmex sp.)

with fluff alive and moving 1 hr & 10 min. later. 2 fluffpuffs, 1 naked, 1 with fluff, were placed in trail of ants in a plastic casette. Maked one ownershin and stung; immobile

the naked one is on One with fluff alive & moving. Same experiment repeated. After 18 min. immobile. stung and

(NATITIZAT) PREY OF LEAF-NESTING SPIDERS FOUND IN WEES

12 casettes set up as

lear web We

leaf Wes we

leaf web We

leaf web we

no web We

no web we no web TU

no web Tu

leaf web We-

leaf web We leaf web we

leaf web

Cumulated data:

alive

WITH FLUFF

NO FLUFF

2

VERSUS A WHIPSCORPION

Small whipscorpion (about wound petri dish with naked naked larva found dead on bo because of crumpled nature o:

Same whipscorpion placed in (Whipscorpion observed to atta the moving larva with its ped shelicerae. Each time the flu later remains of larva's fluf it was eaten.

nanument arrests of

Silberglied

H

12 casettes set up as

web

Web web

di

leaf

SUMMARY OF EXPERIMENTS WITH CHRYSOPID LARVAR

Arizona, 1967

Silberglied

R

VERSUS ARMY ANTS (Neivamyrmex sp.)

minutes. One with fluff alive and moving 1 hr & 10 min. later. Organizate and sturg; immobile 2 fluffpuffs, 1 naked, 1 with fluff, were placed in trail of ants in a plastic casette. Laked one

Same experiment repeated. After 18 min. the naked one is on its One with fluff alive & moving. stung and immobile.

PREY OF LEAF-WESTING SPIDERS FOUND IN WEBS (NATURAL)

: nests bare except for mites, cicadellids (alive), andqcicadellid exuviae "Yellow running spicer"

"Sycamore-fluff" found in webs. plus: -Arthropods found in webs included: Cecidomyiid flies Spider" "Marked, leaf nesting

Staphylinid beetles Lites

Chalcide Lymenopterans Cicedellia bugs Tingie bugs

Trichogrammetid wasp Auscid flies Call phoria

hipscorpion petri dish wi (about dish with found dead on bo

hipscorpion placed orpion observed to atta larva with cerae. Each time the larva's remains of s eaten.

IPSCORPION

of crumpled nature of

We we We

web We 30 We de We de

ru Tu

We

web web WO

We

web web WO

data:

alive 1

2

M. TH OF EXPERIMENTS

CHRYSOPID

Arizona, 1967

Silberglied

(Neivenvinex sp.)

and moving fluff, Naked one One with fluff alive with plastic casette. neked. ants

02 •ri min. the naked one is fluff alive & moving. After 18 One with After experiment Same back,

(NATITIZAT. WEBS -NESTING SPIDERS FOUND OF LEAF PREY

12 casettes set up as follows:

1	leaf web	web-spinner		larvae with fluff
2	leaf web	web-spinner		larvae with fluff
3	leaf web	web-spinner	2	larvae; no fluff
4	leaf web	web-spinner		larvae; no fluff
5	no web	web-spinner	1	larva with fluffq
6	no web	web-spinner		larva; no fluff
7	no web	running spider	1	larva with fluff
8	no web	running spider		darga; no fluff
9	leaf web	web-spinner	2	larvae with fluff
10	leaf web	web-spinner	2	larvae with fluff
11	leaf web	web-spinner	2	larvae; no fluff
12	leaf web	web-spinner	2	larvae; no fluff

Result:

Both pupated Both dead, sucked dry One dead & sucked dry, other pupated Both dead, but not eater Dead, sucked fry Dead, sucked dry Dead, not eaten Pupated Oneralive, other pupatti Both pupated Both alive One dead & sucked dry, other pupated.

Cumulated data:	Alive alive & moving	pupated	Dead sucked dry	not eaten
WITH FLUFF	1	L	4	1
NO FLUFF	2	3	3	2

VERSUS A WHIPSCORPION

Small whipscorpion (about 17 mm, not incl. whip), placed in small found petri dish with maked Chrysopid larva. 14 hr., 45 min. later naked larva found dead on bottom of poeri dish, assumed eaten or killed because of crumpled nature of skin.

Same whipscorpion placed in casette with fully fluffed larva. Whipscorpion observed to attack larva 4-times, each time grabbing the moving larva with its pedipalps and pulling it in towards its shelicerae. Each time the fluffpuff was released alive. 24 hr., 25 min. later remains of larva's fluff found in casette; no larva. Assumed it was eaten.

WILL SEIDEN - h_ = 2 (Taylor May Pare sipe

Love MAN MANTER 1 2. Fan in the second secon = - 2m = 110 To the William ... K. Carryte V. T. Max. 4. describe al manifesta Biol. Note 16 (Conasida) Parasite.

EXP. NOS. WITHOUT SPECIMENS:

Papilionids (Aristolochia) caterpillars 283. Catapillar us centipede 286 Elaterid vs 1 288 " us sol paged 289 Brachystola -tibial spor (specimen not #4) State Line Road QUEEN. Queen hair pencil secretion 200 Potal Reduit Me Matthe Pasymachus (CER) 298

OVER

us elatered

Triatoma? (CCR-UV) vs elderid

26 Sept CHRYSOPID LARVAE SPIDERS VS. CONTINUED FROM P. 31-35 4 Casettes set up as follows: 39 (1) all casettes have one spider in (2) First 2 casette have 2 larvae, with fluff, in each (#9, 10) Second 2 casettes (#11, 12) have I larvae without fluff (asked) in each 9 } levae ea. + ffull & web spinning apiden + 11 & lawar ra, noked leaf nest.

LEAF NESTER WI LEAF NEST LEAF NESTER WY LEAF NEST US 2 FLYFFY LARVAE US 2 FLUFFY LARVAE START 26 Sept 21: 40 NO ACTION. 2 FLUFFS FREE + MOVING 16:25 START 21:45 NO ACTION SPIDER IN RETREAT. 2 SPIDER IN RETREAT 27 Lept. SPIDER IN RETREAT. BOTH FLUFFFRIFFS LARVAE FREE + MOVING. 12: 48 ALIVE + MOVING, ONE IS YNDER 27 Sept 12:49 BOTH LARVAE ALIVE + PROVING: JILK STRANDS OF WEB AND HAS SOME FLUFF SEEMS TO HAVE LEFT TRAILS OF FLUFF. BEEN LOST IN WEB THAT WAS 29 SEPT SPIDER HAS NEW RETREAT ON SIDE OF PRESMLY SPOON BETWEEN LEAF 1:09 CASETTE; ONE LARUA HAS PUPATED ! AND CASETTE, SPIDER IN RETREAT. 29 SEPT. IN WEB; OTHER HAS LOST FLUFF AND IS SUSPENDED IN WEB IN MIDAIR. L'IT. ONE LARVA PUPATED IN WEB. OTHER - ALIVE + MOVING ON LEAF. SPIDER IN 2 OCT STILL ALIVED TERMINATED 3:41 RETREAT ZOCT (other proported) 3:43 BOTH LARVAE NOW PUBACED SPIDER IN RETREAT TERMINATED W. Car

LEAF NESTER WY LEAF NEST US 2 NAKED LARVAE START 16:25 NO ACTION. SPIDERHAS LEFT 21:48 RETREAT BOTH LARVAE ALIVE & MOUNG; SOME FLUFF REMOVED THAT THEY ACCUMULATED 27 Sept SPIDER HAD BUILT NEW RETREAT 12:51 ON TOP OF CASETTE; DESTROYED WHEN CASETTE OPENED, BOTH LARVAGE 17 Sept. ALIVE & MOVING, IREMOVED THEIR ACCUMPLATED FLUFF. 29 SEPT. SAME AS ABOVE, RETREAT DESTROYED, 1:20 BOTH LARVAE ALIVE; FLUFF REMOVED 2007 3: 44 BOTH LARVAG ALIVE & MOVING, SPIDER IN RETREAT TERMINATED

LEAF NESTER W/ LEAF NEST

126 Sept.

16:25 START

21".49. SPIDER IN RETREAT. CHRYSTOS

ARE (I) BELOW SHEET OF WEB,

WHERE IT IS LOADING CY FLUFF

HAD CICADELLID NYMPHAL SXINS, AND

(2) ON SDE OF CASETTE WITH ACCUM-

12:54 SPIDER IN RETREAT. BOTH LARVAE ALIVE & MOVING.

ACCUMULATED FLUFF,

1:23 SAME AS BEFORE; BOTH LARUTE ALIVE + MOVING; FLUFF REMOVED; SPIDER IN RETREAT.

ULATED FLUFF. I REMOVED ALL

3:45 BITT ONE LARVA PUPATED.

THE OTHER DEAD ON BOTTOM

OF CASETTE & APPARANTLY

SUCKED DRY TERMINATED

39

CUMULATED SPIDER DATA

28 SEPT.

NAMES OF INSECTS OF PORTAL AREA
TO BE CHECKED AGAINST THOSE
COLLECTED AND LARGE COLLECTIONS.

ORTHOPTERA:

Bright colored Acripio: Dactalotum varigatum
Crested Green Acripio: Trapidolophus formosus
Taeniopoda is eques
Brachystola is magna
Giant TETTIGONIID: Capnobates fuliginosus

Small Desert TETTIGONIID: Dichopetala brevi hastata

COLEOPTERA:

Bright Desert TENES CLERID: Trichodes horni

Smooth, margined TENES: Euschides rimatus stell

Rough, margined TENES: E. sp.

Freezing or Running TENES: Pelecyphorus morbillosus

Hemispherical TENEB: Discoderus reticulatus — [1]
Pepsis.mimic CERAMBYCID: Tragidion sp.

chaulingnathus mimicing CERAMBYEIDS:

Tylosus maculatus
Crossidius pulchellus
Tetraopes femoratus
Tetraopes discoidens [GREY]
see ALSO: Anoplodera Spp.

MISCELL ANEOUS:

TABANID QUUBL Sheet: Tabanus dorsifer
REDUVID that feeds
on Chrysopid Larvae: Pselliopus
Big Red (sticky) REDUVID: Apiomerus

HYMENOPTERA-BUSH = BACCHARIS.

Courtery A.M.N.H ref. collis. @ S.W. Res. Sta.; in particular, courtery Vince Roth.

ALSO: Large black + red meloid = Megestra

cancellata championi Van Dyke

Black meloid that mimics (?) freezing TENEB:

Epicauta corvina Clec.

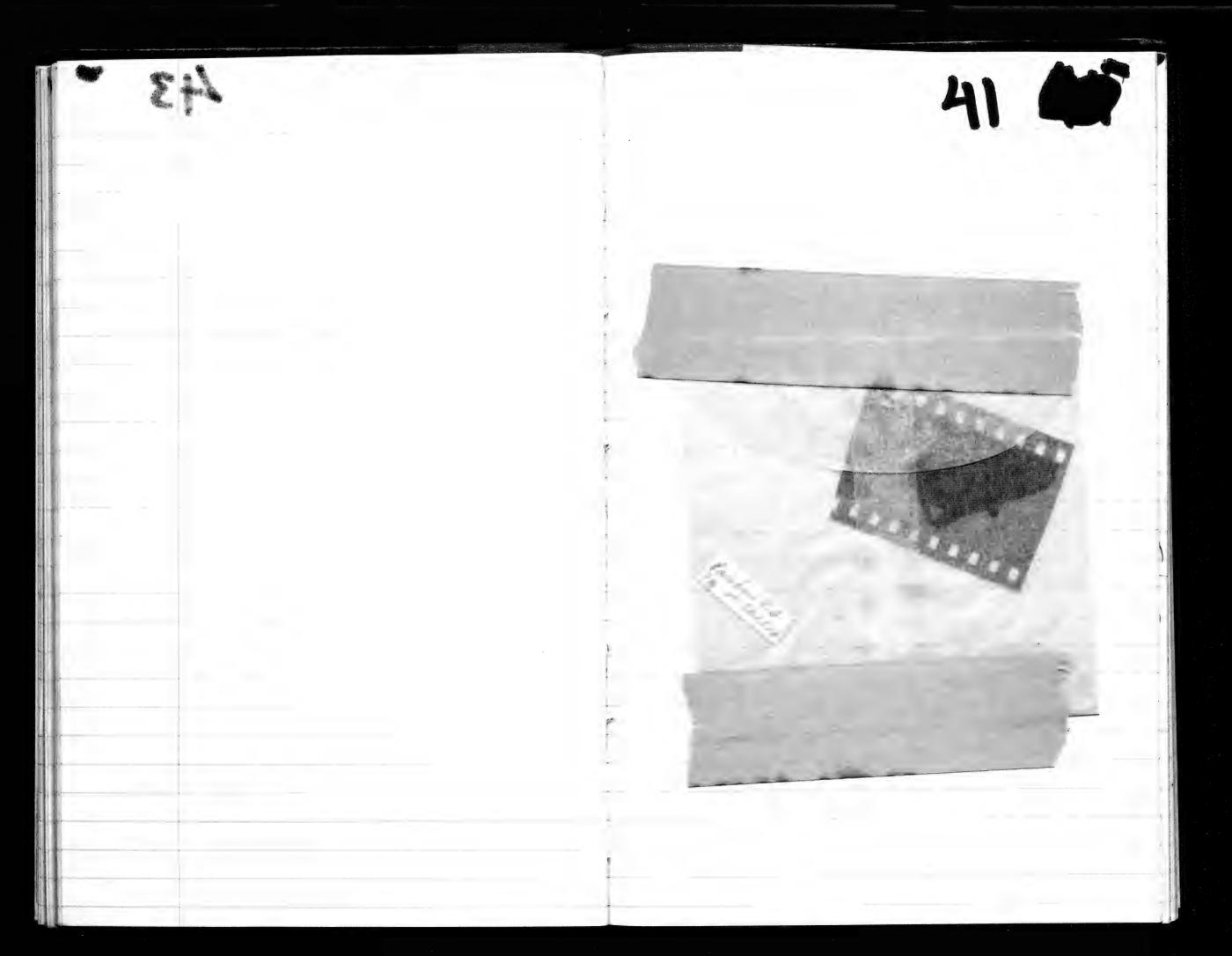
MOVING PUPATED EATEN

ALIVE

DEAD

NOT

EATEN





2 Dec. 1967. To a red of al eagles Set up 20:32 at 15 to 1. Sand. Pablum much could in a small lite dis com one large 12-draw vial, clear and without top; and fest the of distilled water with sponge top, inverted and hang from side of cage Cages are 8x12 white plantie. 100 Att bulb stone on bothe cages and its light & heat die evenly divided between hen 100 with buth Themaneters in both cages I ch above sand and 40 cm from edge p. 46 has temperatures 19 1

Date time Framment to Time Cof Comments. 17:45 3, 88 turned 2 wee 20 32 3/35 94 study 13 we 1.30 935 94 17 Dec 15:00 4/35 74 7

10.32 R has normal Electe longicollic,

L has 2 Electe longicollic that had

their elytra removed on 8 Dec. 1967.

Until this the they have been in a cage

with "normal" Electe longicollis, and,

although not observed continually, showed

no obrons deferences in behavior

from the "normals". They would mate

the mated, etc.

Lyc11)5 8: 26 1968 I have had & lance of Lycids 1:415 Am That I kept some Anizona, in A sept 1967, when they were collected. all were found ore. Care Creek on Cave Creek Rancin along The stream bed (merginices: late Dec. early Jan the In of fate Tank sanly Feb 15 Feb before 5 Feb 18 Feb G8 if Setw 12 midnight and 23 Feb 68 9:45 AM Feb 7-8 {betw 12 midnight und} 3 Mar. 681 1 10 30 AM Feb 14-19/1 N8 PM) Man 6-7 March 1968 10-12 may 68 (silled) 6 \$ 10-12 May 1968 18 10-12 Man 1968 2? 12-14 Man (968 20 May 68

Walter Barrie

William D.

31 March 1968 EX 45

Experiment to test hypothesis: Does the presence or absence of elytra on the back of Temporimid beetles confer any survival advantage under hot, or dry, a both, conditions

Materials

\$ Eleades SAp?), Second generation, all progery of Eleades Sp(p?) collected at Cave Cr. Ranch, vic. Portal, Anizona, Sept 1967; progeny all emerged within 5 days of one another; larvae were reared in same container and underwent some cooling period to break drapanse. all now about I month old.

5 4 containers, 3 round, 2 townson all filled of about 3/4 mich of sand. (3) (-) thermometer

I large container holding above contamers, and thermometer

1 thermometer °C = -10 to 150.

Method

adults prepared by

(1) pinning down on protein block, venter ap

(2) Cutting around as follows

1. elytra cut off

2. elytra cut off + replaced, Cement off

4. elytra intact

5. elytua of hole cut in top, NI cm n dram.

to better put into containers,

seetles unsed of distilled to

& Leetles put into contamiers, one aprèce

: 31 Mar. and punged #1. placed on back, elytra cutaround; tuned over on belly to remove. Seette warked, put in container, beetled scharged quisones during operation. #2 placed + punied in back; elytra cut remove, in one piece; elytra soft at hume: and carled over ? ; feral tement officed . to all edges except aper, placed cement fused all around, except apex (last 2 sternites) w/ hot needle; beetle washed, put a container. beetle discharged during operation; I also injured night protonacic leg a fibis femoral #3 placed + punied on side on protein block, left side cut; right side done in hand, beetle out all around except @ base AMA beetle wasked + the placed in consette. beetle discharged guhone during operation.

Left under light; then on dorson, left under light; washed off and placed in container.

Beetle has tibia of left methathnacia (eg broken up distal part awising, also has some for left meosthoracia leg's tarsons beetle did not doscherge grinores alflogh (tried to make it doso. #5 beetle pinned on overter and no com dian hole cut in dorson of elytra beetle washed, and put into containers. Beetle dishafged quinores while being areshed

Or squeezed less of forcers opened open of what wif forcers

31 Mar. (800 hr. - large containée put ander goosenech lamp.

date	time les	ing C	
31 Mar	18:00	25	76
	19:00	30 32	86
1 April	10:00	32	90
	20:00	32	90
2 April 3 April	17:00	32 32	90
4 April	10:30	31	90
1 / July	22:35	30	86
5 April	23:10	31	87
8 April 9 April	10:55	32°	90
11 April	12:50 POEAD	340	

-60

4/ (April 20:00 alive and O.K. 2 April 17:00 dead, tissues shrunter

#2 i April 20:00 alive and O.K.

2 April 17:00 alive + O.K.

3 April 10:30 alive + O.K.,

4 April 00:20 alive + O.K.,

ight foeley seems crippled,

doesn't be d at femus-tipia joint.

22:35 alive y sluggish,

antennae curled under at

aprices april 23:10 daid

1 April, 12:00. On back, leg 5 and antennae shaking and goivering (April 20:00 still on back or grivering 2 April 17:00 dead on back # 1 April 20:00 alive and O.K. (f.35 ness) 2 April, 17:00 dead, direct out 2 April 12:00 alive and 0.K. 2 April 12:00 alive and 0.K. 3 April 10:30 Afrik and 0.K. April 00:20 alive And OK covere alive and ok covered w/s and particles in promotion and elytra

4 Apr, 11:50 alive and O.K Apr. 22:35 alive and disc.

alive of.

J 0 12 Y 18 9 PEPLACED + SEALED TH 12 6 III 18 6 0 REMOVED 18 F 4 3 ELYTICA REMOVED 12 E 17 760 (ELYTIM CUT 0 ELY TRA 18 ELYTRA 12 3704 6 31 40 60 0

91

Paso, N. Mex., 3 oct. 1967 (- R.S), were prepared as follows. Each beetle was fitted with a humber (#1, 2,34) glied on the ders um of the prothorax with feral cement asing Beetle #1 - elytra intact Beetle #2 elyfra removed Beetle #2 - hole made in elytra about 5 mm. in Beltle #3 - same as no. 2. but piece of elytron fined a over Beltle #4 - Same as so. 2 but ghed in place with feral cement. Beefles put into container they came from offer being washed will distilled water.

20:00 put all beetles into casettes atim (6.7 × 6.7 × 12.5 cm) (clear plast. 2) w/ < 1 cm sind in bottom and small-card for shade approx 10" x 13" x 21" Fach beetle weighed (see next page). Themmeter added and put under a 60 watt incardiscent lamp in a joosenech base, N2 cm from top of case (80°) F 3 April 23:00 27°C 00:30 36°C (96°) F 4 April moved lamp to 3.5 cm from top of 10:30 world lamp to 8 cm from top of box (see 2 pages after this) (p61) (emperature during weighing 11:00 24.500 put back under lamp, (60 w) at 8 cm betw/ box and lange. 3500 (9/ of) CONTO 19:40

3 APRIL Weights of Leetles at Leginning of 46 20:00 test.

tare		tare	2
5,64133	6.08834	5.64158	6.02667
5.64136	6.08834	5.64169	6.02662
5.64137	6.08832	5.64163	6.02660
5.64137	6.08833	5.64168	6.02662
5,64139	6.08831	5.64164	6.07656
(28,20682)	(30.44164)	(28,20822)	(30, 13307)
lare	3	tare	4
5.64252	6.11707	5.64309	6.02178
5,64247	6.11702	5,64310	6.02179
5.64253	6,11696	5.64303	662172
5,64245	6.11690	5,64302	6.02171
5,64250	6.11692	5.64304	6.02168
(28.21247)	(30.58487)	(28.21578	(30.10868)
tare	,		,
56428	12		
5.6428			
5.6429			
5,6430)			
5.6429			
(28.2145	4)		

6 is 606

0 14

,				46
4 APRIL	tare	(face	2.
11:00	- 5.64206	6.06243	5.64252	5.98941
	5.64214	6.06236	5.69248	5.98943
	569219	6.06238	5.64.247	5.98941
	5,64218	6.06234	5.64243	5.98940
	5.64256	6.06235	5.64248	5,98935
	5.64252	(30,31186)	(28.21238)	29,94706)
	5.64253			
	5.64254			
	5.64257			
	(28.21272)			
s.	tare.	3	tare	4
	5.64255	6.08704	5,64320	5.99232
	5.64256	6.08 701	5.64318	5.99232
	5.64259	6.08698	5.64315	5.99232
	5.64271	6.08697	5.64310	5.9923)
	5.64266	6.08694	5.64308	5,99232
	(28.21307)	(30,43494)	(2821571)	29,96159)
	4			
	Tare			

5.64309 5.64307 5.64310 5.64309 5.64311 (2821546)

4 April 22:35 33°C (86°F) 23:15 removed for weighting, see p. 64 23:55 borch to light [(2 24.5°C) 23:55 24.5°C (°F') *5 April 23:30 33°C (°°F) removed and weighed, seep. 65 23:55 24.5 °C (°F) * \$8 April 10:55 34°C (°F) #2 and 3 are dead removed and weighed a 11:00. put back to light (ox) 9 April 23:36 32°C (°F) 10 April 00:05 24.5 11 April 12:55 33°C (°F)

deighed (\$70) all are now dead. terminated

				4
	lare		lan	70
23: Lo	5.64131	6.04773	5,64154	5.96269
	5.64139	6.04776	5.64158	5.96272
	564146	6.04784	5.64166	5.96275
	5.64152	6.04791	5.64167	5.96276
	5.64159	6.04792	5.64170	5.96270
	5.64162	(30, 23 916)	(58,20812)	(29.81632)
	5.64164			
	5.64 162	_		
	5.64171			
2.	(28,208 13)			
	tare	3	fire	if
•				
	5,64162	6.06526	5.64188	5.97239
	5.64168	6,66528	5.64191	5.97940
	5.64 190	6.06534	5,64194	
	5.64192	6.06535		5.97256
	5.64198	6.06543	5,64204	5.97258
	(28.20910)	(30,32666)	(28,20979)	29,86245)
	1	/		
	tare			
_	5.64188			-
	5,64190	-		
	5.64196			/
	5.64202			
	5.64204			
(3	28,20980)			

ċ				A
	5 April tare	(fare	246
	23.30			
	3.64084	6.01886	5.64099	5.92268
44	5.64096	6.01889	5.64106	5.92273
	5.64113	6.01890	5.64107	5.92278
	5.64114	6.01894	5.64(12	5.92280
4	5.64121	6.01893	5.64117	5,92287
~	5.64123	6	(28,20541)	(2961386)
	5.64129	3009452)		
	5.64135			
	5.64138			
4.	(28. fails)	3	tare	4
	5,64187	6.02382	5.64210	5.94858
*	564190	6.02386	5.64218	5.94859
	5.64195	6.02395	5.64221	5,94868
	5.64198	6.02397	5.64225	5 94864
	5.64206	6-02392	5.64228	5.94867
*	(2820976)	(30.11952	5.64228 (2821102)	(29,74316)
·	tare			
	5.64269			
	5.64272			
	5.64278			
	5,64283			,
1	5.64285			V
	(2821387)			

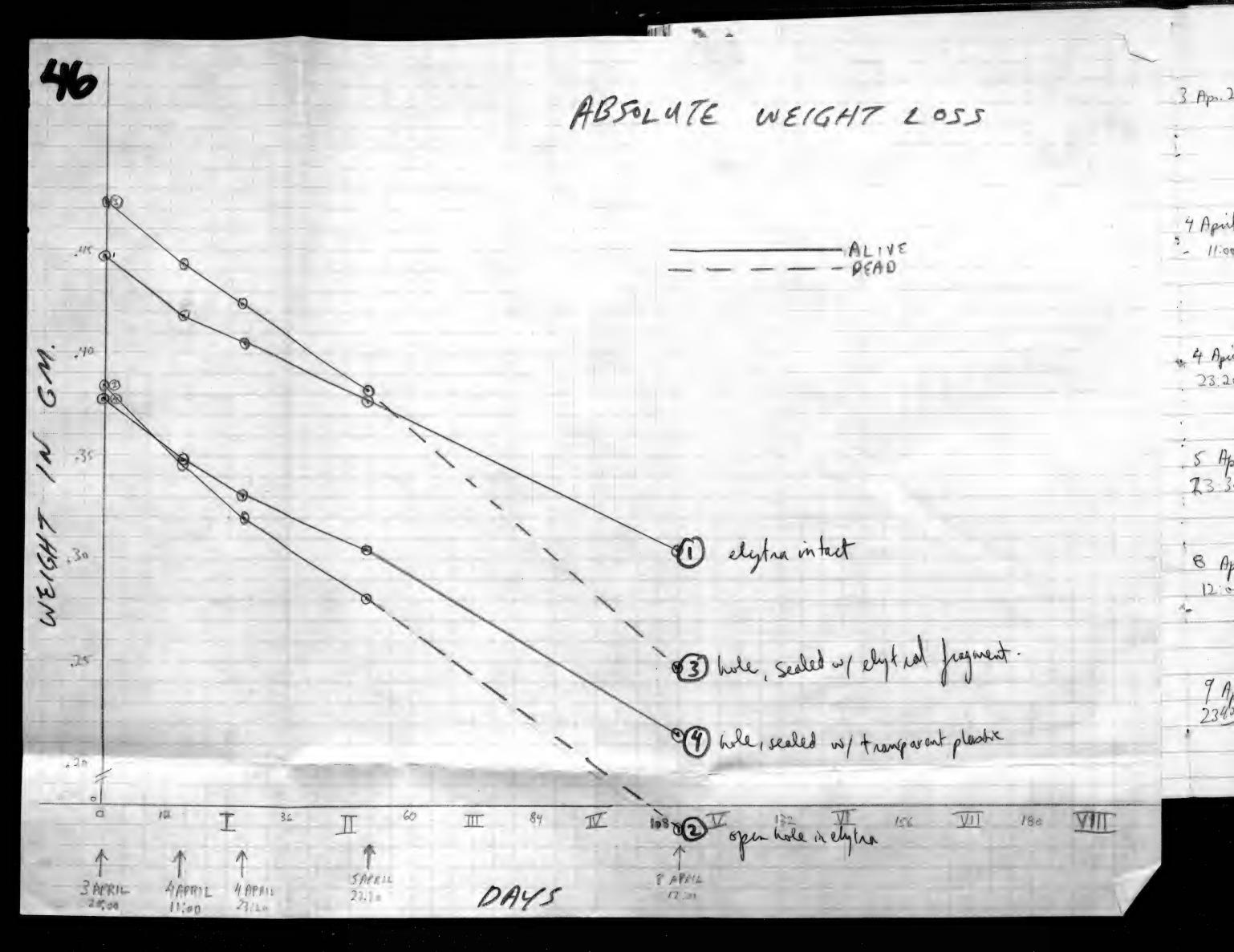
8 April 1200. there 5.64339 5.81348 5.94903 5.64434 5.81348 5.64338 5.94901 5.64432 5.64341 5.94901 5,64429 5.81346 5.64342 5.94900 5.64424 5.81354 (28.21701) (29.74507) (28.22) (29.06749)

EL.		DEAD)		
	tere	3	fare	4
-			5.64414	5.86008
	5.64419	5.89129	5.64410	5.86008
	5.64419	5.89129	5.64413	5.86014
/	5.64423	5.89126	5,64412	5.86 014
· .	5.64420	5.89125	5.64411	5.86016
÷	5.64420	5.89/28		
	(28,22101/	29,45637)	(28,22060)	29.36060)
			('	
1	fare			

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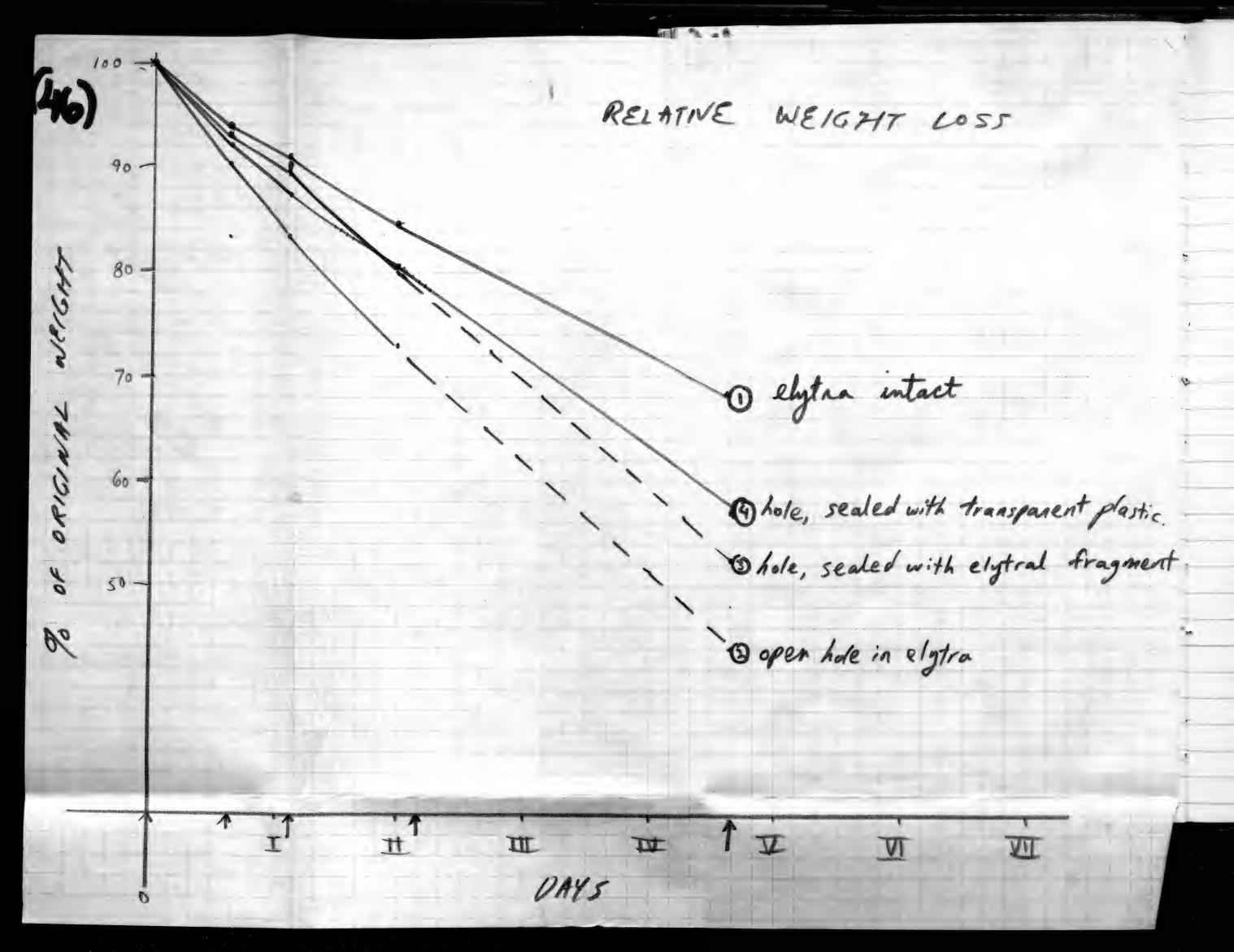
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	ā		11 2	11 3	4
3 Apr. 20.	co weight (meas	6.08832 8	6.026614		
	- tare (after)	5.64164	4 5.64249 4	5,643056	5642908
1	weight fine	10.44668 4	0.384120	0.47391 8	0,378828
	/ (bkette)				
	•			;	
4 April - 11:00	weight (meas)	6.06237 2	5.989400	6.08698 8	5,99131 6
- 11:00	- tou (after)	5.64247 6	5,642614	5.64314 2	5,64309 2
_	weight (Leatle)	0.41989 6	0.34678 6	0.44384 6	0,349226
	△ weight	0.02678 8	0.03733 4	€.03007 2	0.02960 2
4 April	weight (means)	6.047832	5.762724	6.065332	5,97249 0
23:20	tare (after).	5.641630	5.641820	5.641958	5.641960
1	everyt (bestle)	0406202	0.320904	0.423374	0.330530
-,	_ sweight		11	- 11	
5 April	weight (mans)		5,922772	11	
23:30	- tare (after)		5.641952		
	weight (beetle)		0.280820		
*	1 - 1:	0.078380	177	e	
8 April	weight (peda)	5,949014	1 19		
12:00	- tare (after)	5.644278	5.644202	5,644120.	5,644350
t.	(veight/beetle)	0.304816	0.109296	0,247159	215770-
		0.0 12996	0.011524	0.134549	0,090088
d 1 . 1	weight (meas.)	4		•	
7. April	-tale (after)	0	.0		
2343	weight (beetle)	9	· /	,	
1_	D'we. Mt	6			
-					



6	00 -		•	Relative 6	reignt	Jos	9	4
(46)				Pate	(2	3	4
	90			3 Apr 2015	(00)	100	100	100
	ar undunanya sekanasirkasi			4 Apr. 1100	94.0	90.2	93.6	92.1
1	80 -		in a	4 Apr. 23 20	90.9	83.5	89.3	87.2
aletter	un microphylic i i i i i i i i i i i i i i i i i i		9	5 Apr. 232	84.5	73.1	80,5	80.7
8	70 -		3	8 Apr. 1200	68,2	(44.0)	(52.1)	56.9
1	ANT ELECTRICAL STATE OF THE STA		12	9 Apr. 2349				
9	60		1					
6		plastic.						
0	50-	plastic.	>					
80			je.					
			p.					

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•			46	(DCAD)
9 April	tare	1	tare	2
23 40				
	5.64375	5.88876	5.64425	5.72989
	5.64377	5.88877	5,64423	5.72989
	5.64382	5.88877	5.64426	5.72990
	5,64388	5.88872	5.64 429	5.72995
	5.64392	5.88880	5.67430	5.72999

	(DEAD)		(DEAD)
tare	2	tare	4
5.64426	5,78812	5,64438	5,80132
564426	5.78812	564434	5.80138
5,64429	5,78810	5,64434	5.80139
5.64426	5.78812	5,64434	5,80142
5.64431	5.78812	5.64436	580 146

5.64318 5.64312 5.64309 5.64312 5.64311

1				46
11 April 12.55	tare		fare	2
).	5,64130	5.81623	5,64221	5.71757
7	5.64132	5.81635 5.81635	5.64228 5.64234 5.64234	5.71762
. (()
	tare	3	Lare	4
	5,64107	5.76006	5.64120	5.74235
	5.64116	5.76003	5.64128	5,74227

5.64 113	5.76003	5.64128	5.74230
5,64116	5.76005	5.64128	5.74227
5.64/21	5.76005	5.64 132	574226
5.64/26	5.76011	5,64134	5.74228
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) <u>.</u>

5.64149 5.64148 5.64141 5.64154 5.64154

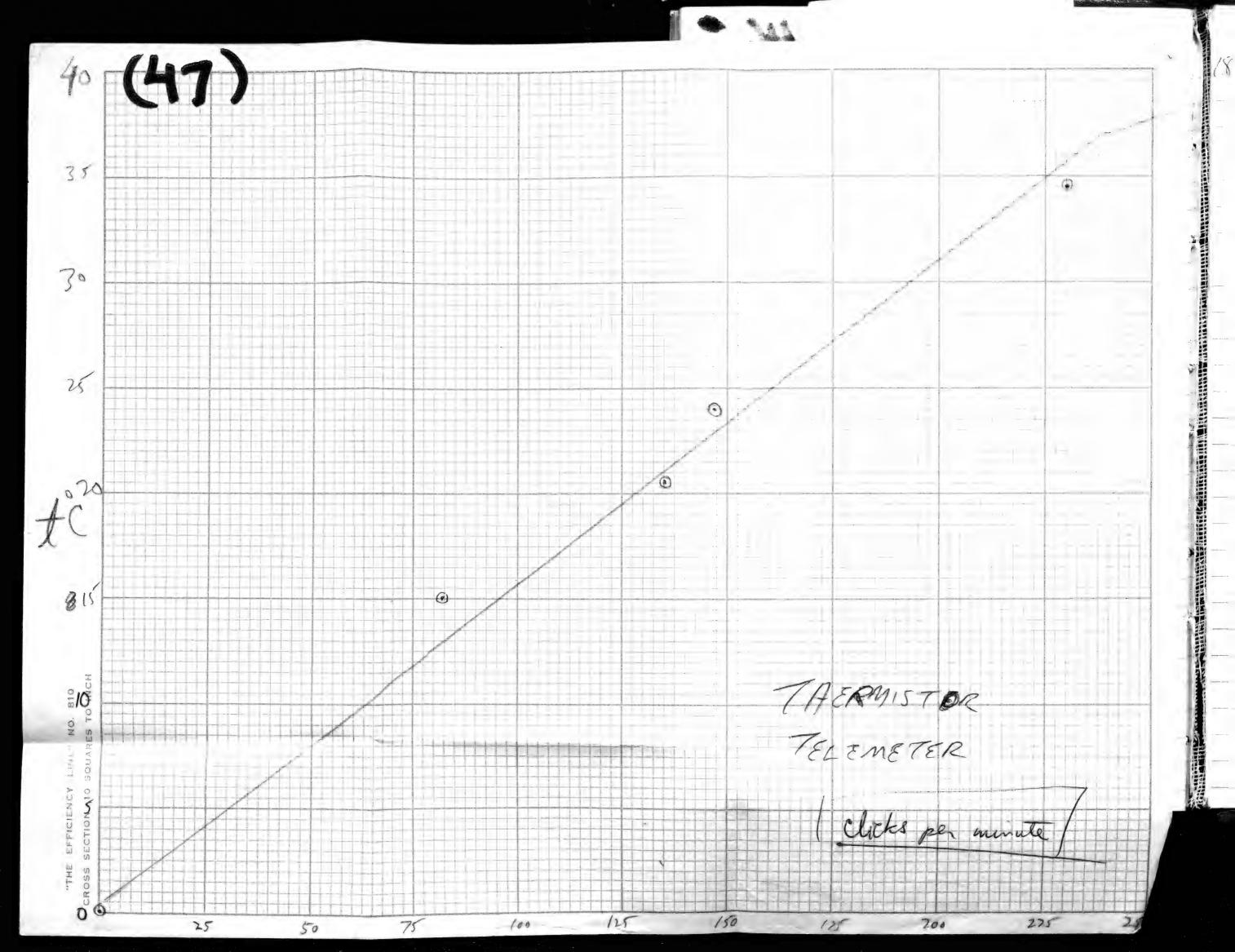
4º (47)

April 1968 16:00

Experiments with 2 Staphy linds, coll. v.c. Langunia Cab (0 April 1968 R.S. being fed Tribolium captanium & confasum, Synthetic wild Types and MISG mutants - LARVAE

T. confusum syn w. LO: offered, ate in 9 min, macerated in 1/2, then ate head end at tail it behaved like man with bone in throat pushing at head with protheracic legs, deopping food from monthparts, wiring palps + mandibles in sand and w/ legs.

To Confusium, MS 6 mutant.





MINIATURE

PERSONAL ACCOUNT BOOKS

for home and office



NO. 2044 OPEN STOCK

In following rulings

JOURNAL • CASH • S. E. LEDGER

RECORD • D. E. LEDGER



NO. 2044-A ASSORTMENT

consisting of

3-JOURNAL 3-CASH 2-S. E. LEDGER

2-RECORD 2-D. E. LEDGER



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DICKMAN'S WAYFARER INN

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THIS IS YOUR RECEIPT	50	RATE
ECEIPT	5-13-67	DATE
	\$:15	AMT. PAID
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chocho	1	185	*	196

DICKMAN'S WAYFARER INN

ROLLA, MISSOURI

ROOM	RATE	DATE	AMT. PAID	RECEIVED BY
33	500	9-13-67	\$ 15	Ray

THIS IS YOUR RECEIPT

THANK YOU

		Or	7 3	1	96
Received	from Be	& Sill	ergi	lied	
Surp a	nd 12	-U. S. 2	- AST OF	GAR	ollars 7185
	DC	7 MILES	o. Pho	ne 762-7	/103
6.12	Tie	hardl	nek	lona	ld
Made in U. S. A.	<u> </u>	<u> </u>	<u> </u>	anananan	501

6. (Crown Motel, R. D. #1, Milan Ohio 9/12/67 \$5.20 9/13/67 5.15 C. (D)Dickman's Wayfarer Inn, Rolla, Mo. 9/13/67 5.15 Casey's Corona Motel, Box 395. Corona, N.M. 10/3/67 4.25 Corona, N.M. 10/3/67 2.74	MESSI		20.30	
GOTS) Guest Kinne Meter Int. (2) 8.24 = 9/14/67 2.74 GOTS) Guest Kinne Meter Int. (2) 8.24 = 9/14/67 2.74 GO (4) Ace Motel (2) 11.20) 9/15/69 3.66 GO (4) Ace Motel (2) 11.20) 9/15/69		41	5 20	
10me (2) Brookshire Motel, Talsa, OKIA 10/4/67 300		1/2	5, 5	
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79 78 200) <u>u</u> / t		
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SC-50 3/66 1		TY—STATE CC	OLLEGES	AND EXP	ERIMENT (STATIONS									
State Age	ncy:								Dept	J./Div	v. Code				
Pay to: Payee N	Name ROBERT ELLIOT SILB	ERGLIED		S	Social Secu	rity No.					rtation Used:	Yes	□ No □		
Date	ITEMS OF EXPENDITU			IME	Transpor tation		SUBSIS	TENC			Miscel-	Sub.	TOTAL		
19.67	Specify Purpose of Trav		De- parture	Arrival	Paid	Break- fast	Lunch	Dinner	Roon Rm. &	m or & Bd.	laneous	No.			
9/12 Bri	ring totals from final T E V-3, she	et No.						2.00			,				
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10/6						•75		2.50							
10,0	The state of the s							1							
			TOTAL												
Travel Orde	e r . · . ·	Official Sta	ation			Total Amou					ount of this Voucher				
INU. (a)	CERTIFICATION AD	ND AGENC	YAPF	ROVAI	L STATE COM					TRO	LLER'	S PR	E-AUDI		
	ertify that the above account and sched been paid, except as stated therein, a							Verified	·		CERTIFII	ED FOF	R PAYMEN		
	1967										тот	OF TH			
Home Address 3	37-B Hasbrouck Apts		S	ignature	T. R. Sta					amped					
CityI	Ithaca, New York	Gradi		tudent											
Approved for Payment		SINESS OFFICE					4	Audited			Ву		-		
	Signature	EXPEN	Carlo and the Ca	Title RE COD	ES										
Includ	Appropriation Identification ding Reappropriating	n Chapter/Sec./Lav	ws	Fund	Dept. Div.	Line	Ch	Originap. Se	inal	Laws	Ch. Obj.		propriation Charges		
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SC-50 3/60			CORNE	LL U		UCATION —STATE CO				ENT ST.	ATIONS			Da-1	/D: (ع آد م			
State .	Agency:					ki i								Dept./	Div. (Jode			1
Pay to	ee Name	ROBE	ert el	LIOT	SILBER	GLUD		10 mm 1 mm	Socia	. Securi	ty No.				portat ests Us		Yes		o 🔲
Date		ITEMS OF EXPENDITURE			TI	ME		anspor-		SUBSIS	STENC	C	1	Aiscel-	Sub.		DAT		
19 67		Spec	cify Pur	pose (of Travel		De- parture	Arrival		Paid	Break- fast	Lunch	Dinner	Room Rm. &	or Bd.	aneous	No.	TOT	LAL
9/12	Bring	totals fr	om final	TE	V-3, sheet	No							2.00)					ı
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							TOTAL												
Travel No. (s)		And the second s				Official St	ation					Tota	al Amoun	t of th	is Vouc	her			
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In	acluding I		propriation iating	n 1den		oter/Sec./Lav	vs.	Fund	Dept.	Div.	Line	Ch		c. La	ws Ch	Obj.		Charges	
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State	CORNELL UNIVERSITY—STATE Consequency:							Dept	t./Div	v. Code				
Pay to	ee NameROBERT ELLIOT SILBERGLIED		Social Security No.							Transportation Yes No No				
Date	ITEMS OF EXPENDITURE	TI	ME	Transpor-		TENC	E.		Miscel-	Sub.				
19.67	Specify Purpose of Travel	De- parture Arri		tation ival Paid	Break- Lunch Din		Dinner	Room or Rm. & Bd.		laneous	Vo. No.	тот	AL	
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A Comment										N.				
		TOTAL						To de						
Travel No.(s)		Station				Tota	al Amou	nt of	this \	7oucher				

EMPLOYEE COPY

Employee—Retain this copy for your files.

